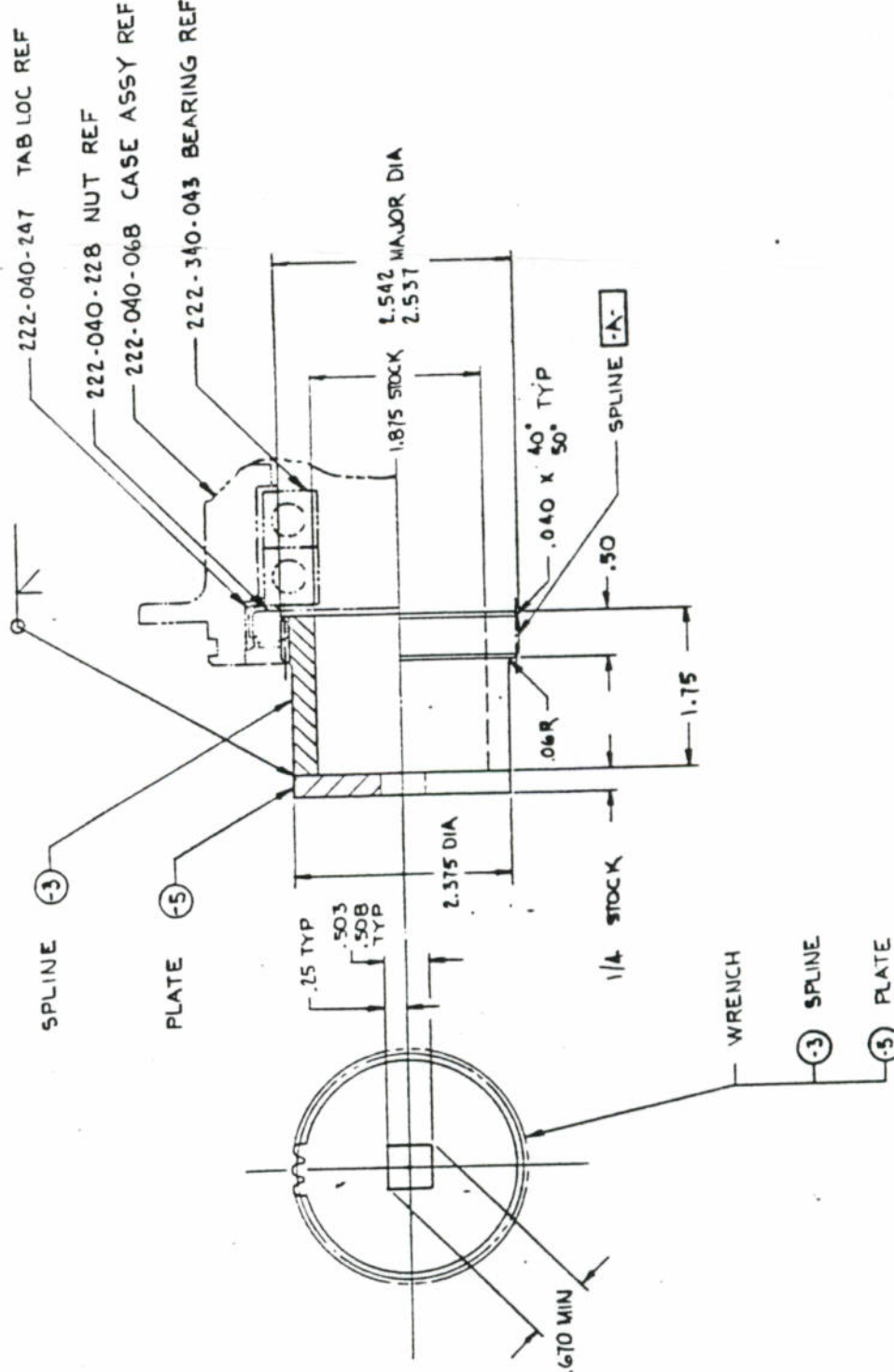


SPLINE -A-

TYPE _____ EXTERNAL INVOLUTE
 FLAT ROOT, SIDE FIT
 NO. OF TEETH _____ 40
 PITCH _____ 16/32
 PRESSURE ANGLE _____ 30°
 BASE CIRCLE DIA (REF) _____ 2.1650635
 PITCH DIA (REF) _____ 2.5000000
 MINOR DIA _____ 2.400 MIN
 FORM DIA _____ 2.432
 MAJOR DIA (REF) _____ 2.542 ~ 2.537
 CIRCULAR SPACE WIDTH
 MIN ACTUAL (REF) _____ 0.0858
 MAX ACTUAL (REF) _____ 0.0888
 MEASUREMENT BETWEEN
 .1200 DIA PINS _____ 2.6722 ~ 2.6672
 SURFACE TEXTURE _____ 125 AA



NOTES:

- HEAT TREAT TO 145,000 ~ 165,000 ROCKWELL R_c 32-36
- WELD PER MIL-W-8611
- ALT MATL: 4130 STL BAR, 2 3/4 DIA X 2 1/4 LG FABRICATION MAY BE ONE PIECE AND -5 PLATE OMITTED
- USED TO TORQUE 222-040-228 NUT

FILE COPY

IDENTIFYING NO	PART OR IDENTIFYING NO	CODE	DESCRIPTION	STOCK SIZE	MATERIAL	MATERIAL SPEC
T103004-5			PLATE	2512.5 X 2.5	4130 ALY STL COMMERCIAL	
T103004-3			SPLINE	2 3/4 X 2.5	4130 ALY STL COMMERCIAL	
T103004			WRENCH			

BELL HELICOPTER COMPANY		TITLE	
WRENCH, SPLINED EXTERNAL BEARING RETAINING, NUT, MAIN TRANSMISSION		T103004	
DESIGN	CODE IDENT NO	DATE	SCALE
D 97499		1/15	1/1
CONTRACT NUMBER		PARTS LIST	
M 86115			
DESIGN			
STRESS			
WEIGHT			
GROUP			
PER			
LAST DESIGN			
PROPERTY			
CUSTOMER			
HEAT TREAT		MIL-H-6875	
FINISH			
UNLESS OTHERWISE SPECIFIED			
1. MARK PER BPS FW 4018			
2. BREAK ALL SHARP EDGES .015 R			
3. TORQUE PER BPS FW 4018			
4. SAFETY PER BPS FW 4043			
5. DIMENSIONAL LIMITS APPLY AFTER PLATING			
APPLICABLE DOCUMENTS			
ABBREVIATIONS PER MIL STD 12			
DIMENSIONING AND TOLERANCING PER ASAS Y14.5			
ELECTRICAL SYMBOLS PER ASAS Y14.5			
ELECTRICAL REF DESIGNATIONS PER ASAS Y32.2			
ELECTRICAL PER ASAS Y32.16			
DASH NO.		222-040-022	
NEXT ASSY		222	
APPLICATION			

SOURCES QUALIFIED AND APPROVED BY BHT FOR STANDARDS AND MATERIALS ARE LISTED IN REPORT 299-099-900.

FOR APPROVED INTERCHANGEABLE EQUIVALENTS AND SUPERSEDED PARTS—SEE BHT STANDARD 179-801

PROPRIETARY RIGHTS NOTICE

THIS DATA IS PROPRIETARY TO BELL HELICOPTER COMPANY. DISCLOSURE, REPRODUCTION, OR USE OF THIS DATA FOR ANY PURPOSE IS PROHIBITED WITHOUT WRITTEN AUTHORIZATION FROM BELL HELICOPTER COMPANY.

THE FOLLOWING BOMBS MAY APPLY TO VARIOUS PARTS: